

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A flat panel display device comprising:

a first panel having a plurality of electron beam sources which are arranged in a matrix array, the electron beam sources being constituted of cathodes which emit electrons and control electrodes which are electrically insulated from the cathodes and control the quantity of electrons emitted from the cathodes, and a plurality of cathode lines and a plurality of control electrode lines which, in a state in which the cathodes and the control electrodes which constitute respective electron beam sources are respectively separated into a plurality of sets, electrically connect the cathodes and the control electrodes for the respective sets, the electron beam sources designated by respectively selecting some of the cathode lines and the control electrode lines serving to emit electrons, and

a second panel having phosphors which emit light when impinged upon by electrons emitted from the electron beam sources corresponding to the arrangement of the electron beam sources, wherein

the cathodes and the control electrodes have surfaces which are arranged on the first panel so as to lie in a first flat cross-sectional plane which is parallel to a surface of the second panel having phosphors, and, further, the control electrode lines have surfaces which are arranged so as to lie in a second cross-sectional plane which differs from and is spaced from the first cross-sectional plane ~~which in contact with the cathodes and the control electrodes.~~

2. (previously presented) A flat panel display device according to claim 1, wherein on a straight line which connects an arbitrary point on a cathode and a point in a portion of a control electrode closest to the point on the cathode, an insulation material is present.

3. (previously presented) A flat panel display device according to claim 1, wherein the flat panel display device includes partition walls each of which has one end thereof in contact with a second-panel-side surface of the control electrode and another end thereof extending in a direction toward the second panel.

4. (previously presented) A flat panel display device according to claim 3, wherein portions of surfaces of the partition walls include conductive films having a lower electrical resistance than other portions on the surfaces of the partition walls, and the plurality of control electrodes are electrically connected to each other through the conductive films.

5. (previously presented) A flat panel display device according to claim 3, wherein at least portions of said other ends of the partition walls are in contact with the second panel and conductivity is established between the portions which are in contact with the second panel and said one ends of the partition walls which are in contact with the control electrodes.

6. (original) A flat panel display device according to claim 1, wherein the cathodes include an electron emission material which directly emits electrons in a vacuum and the electron emission material contains carbon as a main component.

7. (original) A flat panel display device according to claim 6, wherein the main component of the electron emission material is one selected from a group consisting of carbon nanotubes, micro carbon fibers, diamond, diamond-like carbon.